

USSN 10/650,578  
Attorney Docket No. 2001-0021-06

**CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"**

Date of Deposit: February 11, 2004

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Stephanie Sharrett

(Typed or Printed Name of Person mailing papers or fees)

(Signature of Person mailing papers or fees)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Palash P. Das, et al.

Serial No.: 10/650,578

Filing Date: August 27, 2003

Title: HIGH REPETITION RATE GAS  
DISCHARGE LASER WITH PRECISE  
PULSE TIMING CONTROL

Examiner: Unassigned

Group Art Unit: 2828

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

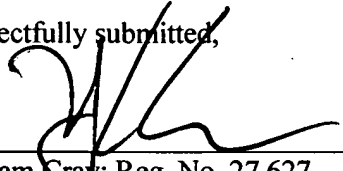
In accordance with 37 C.F.R. § 1.97 and § 1.98, applicants submit for consideration in the above-identified application the attached Form PTO-1449. The Information Disclosure Statement submitted herewith is being filed before the mailing date of the first Office Action on the merits. Copies of the cited references are not provided since this application is a continuation of U.S. Application No. 09/837,035 and were provided in the parent application.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Accordingly, no fee is believed to be due. The Commissioner is hereby authorized to charge any fees, or to credit any overpayment to Deposit Account No. 03-4060.

Respectfully submitted,

  
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William Gray; Reg. No. 27,627

February 11, 2004  
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17075 Thornmint Court  
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U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Serial No.	
					2001-0021-06		10/650,578	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicant(s)			
(Use several sheets if necessary)					Palash P. Das et al.			
					Filing Date		Group	
					August 27, 2003		2828	
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	3,849,670	11/19/74	Lourigan	307	108		
	AB	4,276,516	6/30/81	Ferguson	331	94.5		
	AC	4,549,091	10/22/85	Fahlen et al.	307	106		
	AD	4,553,244	11/85	Benedict, et al.	372	101		
	AE	4,660,204	4/87	Dewhirst, et al.	372	100		
	AF	4,697,270	09/29/87	Galkowski	372	34		
	AG	4,798,467	01/17/89	Wyeth et al.	356	349		
	AH	4,803,378	02/07/89	Richardson	307	108		
	AI	4,817,101	03/28/89	Wyeth et al	372	32		
	AJ	4,847,854	7/11/89	Van Dijk	372	92		
	AK	4,940,331	07/10/90	Wyeth et al.	356	349		
	AL	5,023,884	06/11/91	Akins et al.	372	57		
	AM	5,025,445	06/18/91	Anderson et al.	372	20		
	AN	5,095,492	03/10/92	Sandstrom	372	102		
	AO	5,124,629	06/23/92	Ball et al.	323	268		
	AP	5,128,601	07/07/92	Orbach et al.	372	30		
	AW	5,138,622	08/11/92	Friede et al.	372	38		
	AX	5,142,166	08/25/92	Birx	307	419		
	AY	5,177,754	01/05/93	Ball et al.	372	38		
	AZ	5,309,462	05/03/94	Taylor et al.	372	38		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AQ							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AV							
Examiner			Date Considered					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

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U.S. Patent Documents							
			Date	Name	Class	Subclass	Filing Date If Appropriate
	BA	5,313,481	05/17/94	Cook et al.	372	37	
	BB	5,315,611	05/24/94	Ball et al.	372	56	
	BC	5,317,589	5/94	Ogawa, et al.	372	101	
	BD	5,319,665	06/07/94	Birx	372	69	
	BE	5,359,279	10/25/94	Gidon et al.	323	282	
	BF	5,371,587	12/06/94	de Groot et al.	356	349	
	BG	5,420,877	05/30/95	Sandstrom	372	34	
	BH	5,448,580	09/05/95	Birx et al.	372	38	
	BI	5,450,207	09/12/95	Fomenkov	356	416	
	BJ	5,514,918	05/07/96	Inatomi et al.	307	106	
	BK	5,524,144	06/04/96	Suzuki	359	176	
	BL	5,658,535	8/19/97	Thayer, III	422	129	
	BM	5,691,989	11/25/97	Rakuljic	372	20	
	BN	5,706,301	01/06/98	Lagerström	372	32	
	BO	5,729,562	03/17/98	Birx et al.	372	38	
	BP	5,754,571	05/19/98	Endoh et al.	372	20	
	BQ	5,852,621	12/22/98	Sandstrom	372	25	
	BR	5,870,420	02/09/99	Webb	372	58	
	BS	5,978,405	11/02/99	Juhasz et al.	372	57	

Foreign Patent Documents								
							Translation	
			Date	Country	Class	Subclass	Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		

Examiner	Date Considered
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		Date	Name	Class	Subclass	Filing Date If Appropriate
BT	5,982,800	11/09/99	Ishihara et al.	372	57	
BU	5,991,324	11/23/99	Knowles et al.	372	57	
BV	6,005,879	12/21/99	Sandstrom et al.	372	25	
BW	6,026,103	02/15/00	Oliver et al.	372	37	
BX	6,028,872	02/22/00	Partlo et al.	372	38	
BY	6,078,599	06/20/00	Everage et al.	372	20	
BZ	6,128,323	10/03/00	Myers et al.	372	38	
CA	6,208,675	03/27/01	Webb	372	58	
CB	6,240,112	5/01	Partlo, et al.	372	25	

Foreign Patent Documents							
						Translation	
		Date	Country	Class	Subclass	Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CC	Birx, et al., "Basic Principals Governing the Design of Magnetic Switches," <i>Lawrence Livermore Laboratory</i> , Publication UCID 18831, pp.1-25 (Nov. 18, 1980).						
CD	Birx, et al., "Regulation and Drive System for High Rep-Rate Magnetic Pulse Compressors," <i>IEEE Conference Record of 1982 Fifteenth Power Modulator Symposium</i> , Livermore, California, pp. 15-21 (1982).						
CE	Ishihara, et al., "Advanced Krypton Fluoride Excimer Laser for Microlithography," <i>SPIE</i> Vol. 1674, Optical/Laser Microlithography V, pp. 473-485 (1992).						
CF	Lassiter and Johannessen, "High-Power Pulse Generation Using Semiconductors and Magnetic Cores," <i>AIEE Summer General Meeting</i> , pp. 511-517 (Nov. 1960).						
CG	Melville, "The Use of Saturable Reactors as Discharge Devices for Pulse Generators," <i>Radio Section</i> , Paper No. 1034, pp. 185-207 (Sept. 15, 1950).						
CH	Merritt and Dreifuert, "Development and Operation of a Solid-State Switch for Thyatron Replacement," <i>Lawrence Livermore National Laboratory</i> , Publication UCRL-JC-105355 (June 14, 1991).						
CI	Ness, et al., "Command Resonant Charging System For a 350 kW Average Power Line Type Modulator," <i>Conference Record of the 21<sup>st</sup> International Power Modulator Symposium</i> , Costa Mesa, California, pp. 159-163 (1994).						
CJ	Newton and Watson, "Timing and Voltage Control of Magnetic Modulators on ETA II," <i>7<sup>th</sup> IEEE Pulsed Power Conference Proceedings</i> , pp. 175-177.						
CK	White, et al., "The Charging Circuit of the Line-Type Pulser," <i>Chapter 9, Pulse Generators</i> , Glas and Labacz editors, pp. 355-380 (1948).						

Examiner	Date Considered
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			Date	Country	Class	Subclass	Translation Yes No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CL	Yanagise, et al., "Solid State Pulsed Power S Device for Excimer Laser," <i>Proceedings of the Joint Conference on Electronic Devices and Semiconductor Power Conversions</i> , Tokyo, Japan, pp. 1-15 (Sept. 13, 1995).					
	CM	Yanase, et al., "Solid State Pulse Power Module for Excimer Laser," <i>Electronic Devices and Semiconductor Power Conversion Joint Research Society</i> , Tokyo, Japan, pp. 1-9 (Sept. 13, 1995).					
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